SWP Water Quality Summary

September 16, 2004

Total Dissolved Solids: TDS at all locations remained below the Article 19 Monthly Average Objective of 440 mg/l. The highest concentration of 280 mg/l occurred at Check 29, while the lowest concentration of 135 mg/l occurred at Barker Slough, both on September 8. Since last month, TDS increased substantially at Banks Pumping Plant, Check 29 and Vallecitos.

Bromide concentrations: A slight increase occurred at all locations on September 8. However, the highest concentration of 0.17 mg/l occurred at Vallecitos on September 8, while Barker Slough had the lowest concentration of 0.03 mg/l on August 16, 2004. Barker Slough was the only location below the CBDA Objective.

Turbidity: A slight decrease occurred at Banks Pumping Plant, Check 29 and Vallecitos while an increase occurred at Check 41. The highest concentration of 61 NTU occurred at Barker Slough on September 8. The lowest concentration of 2 NTU occurred at Devil Canyon on August 16 and September 8, 2004.

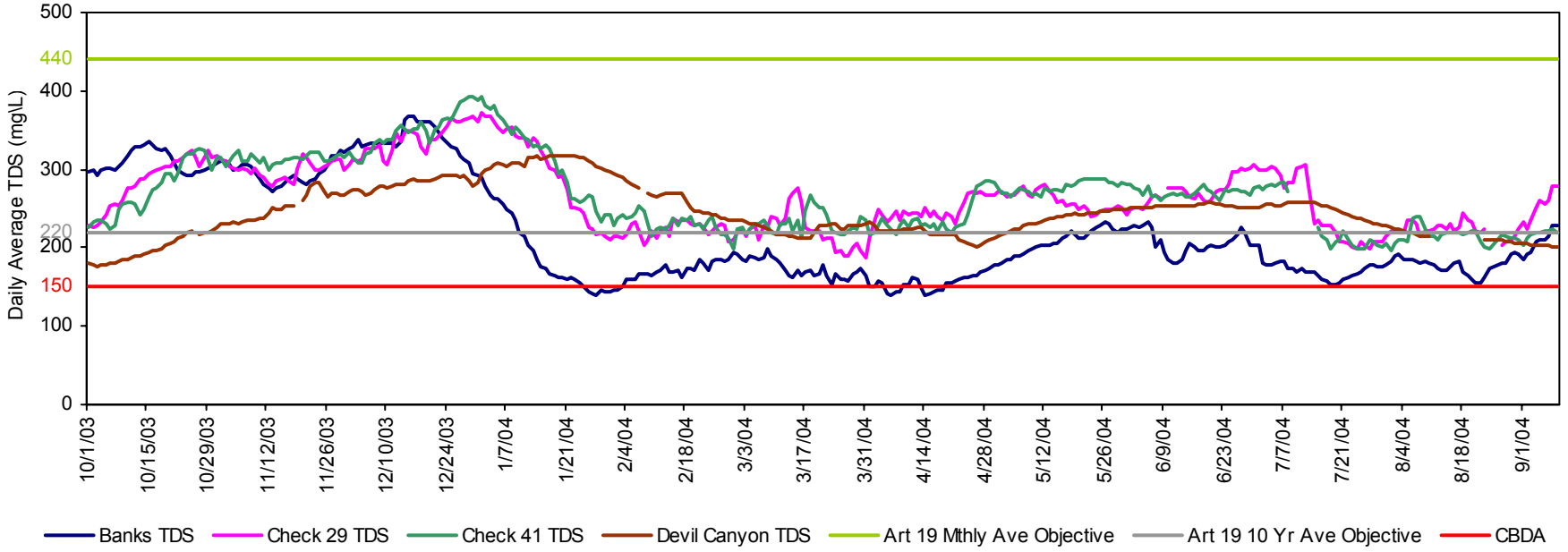
Dissolved Organic Carbon: DOC increased slightly to 3.0 mg/l at Banks Pumping Plant and 3.8 mg/l at Check 13 on September 8. The concentration at Check 13 was above the CBDA Objective of 3.0 mg/l.

Taste and Odor Compounds: MIB and geosmin levels above Check 22 were about equal or lower than last week. In Clifton Court Forebay Inlet, MIB remained at 10 ng/l this week while the compound decreased in Jones Tract to 19 ng/l (UJDC) and 9 ng/l (LTDC). The Coastal Branch Aqueduct experienced MIB levels greater than 20 ng/l on August 30. Copper sulphate was applied to two Forebays on September 3 to control attached bluegreen algae.

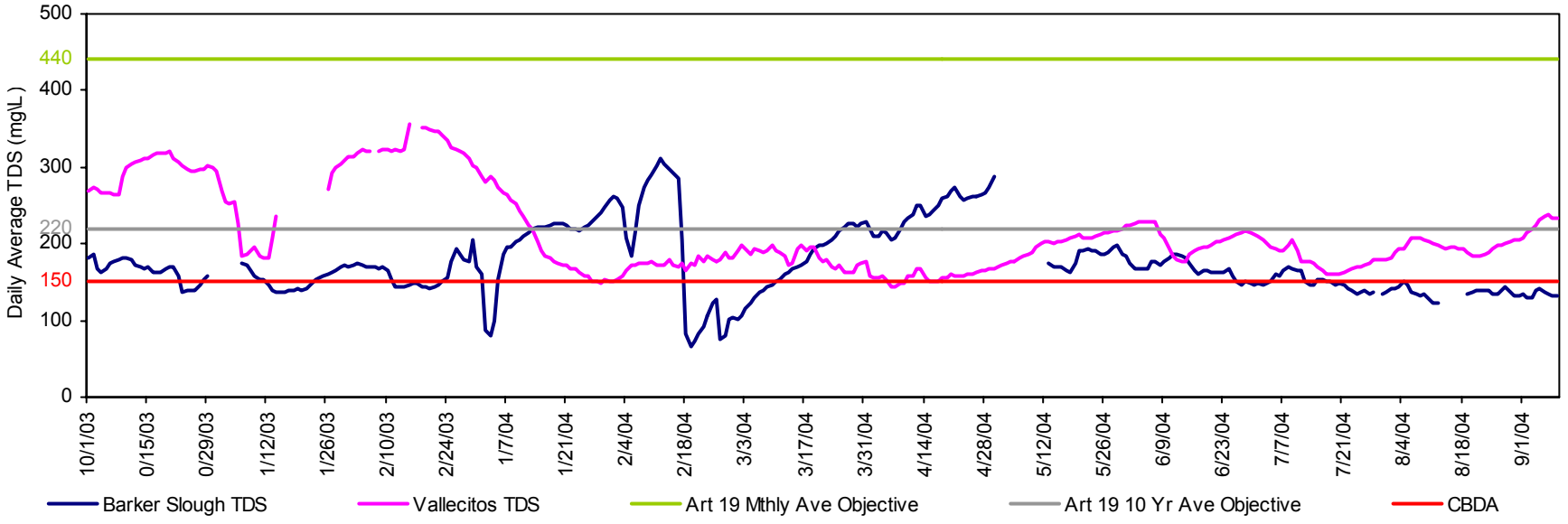
Ground Water Pump-in: Ground water pump-in from AEWSD continues.

For more information refer to: http://wwwomwq.water.ca.gov **and**
http://wwwdpla.ca.gov/supply/sampling/mwq/main.htm

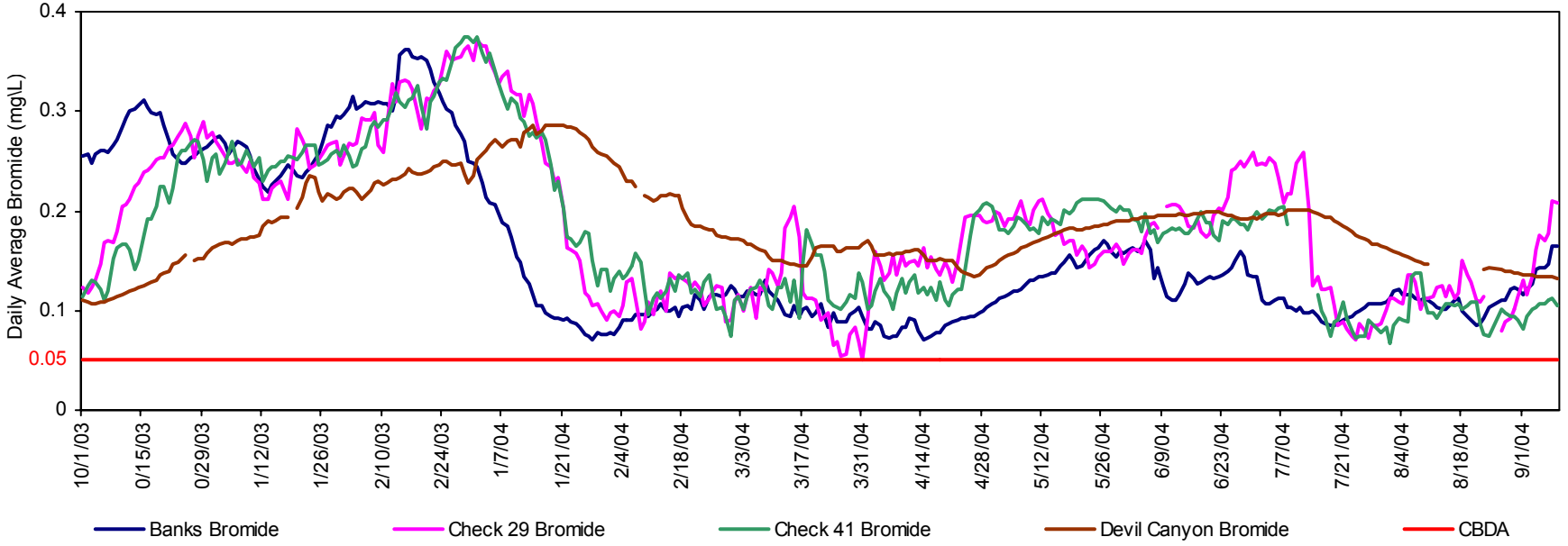
California Aqueduct - Calculated Total Dissolved Solids



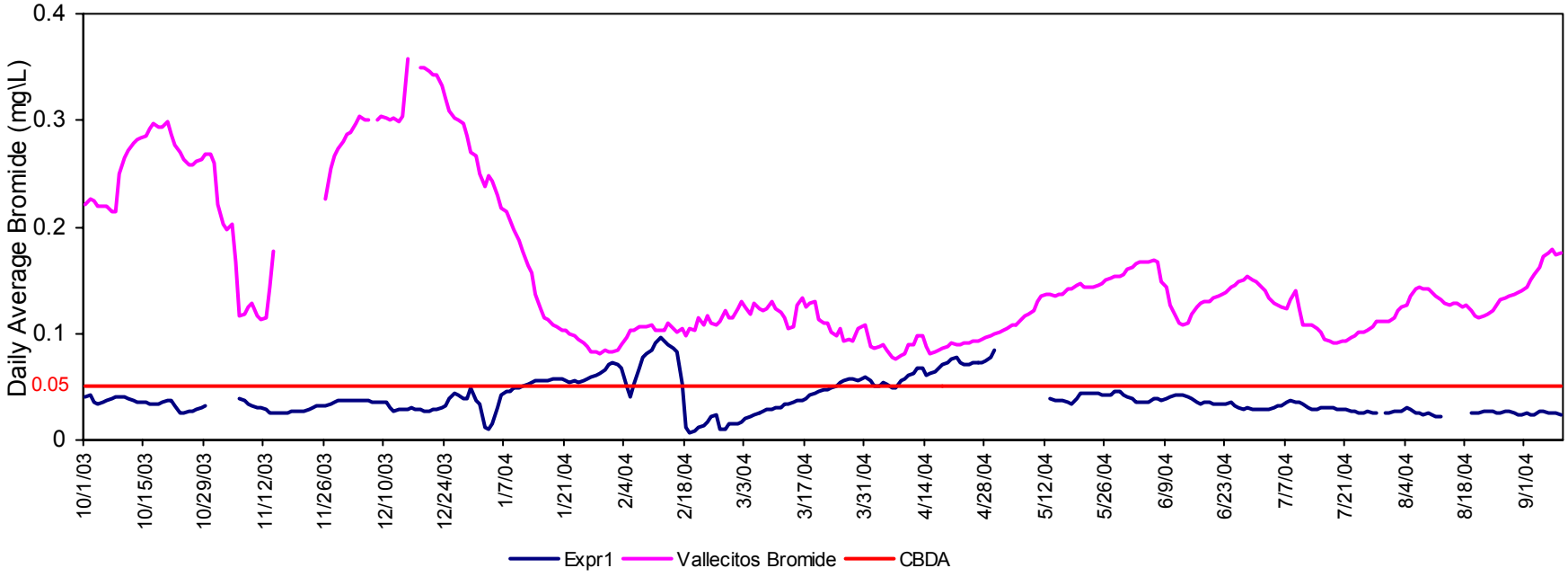
North and South Bay Aqueduct - Calculated Total Dissolved Solids



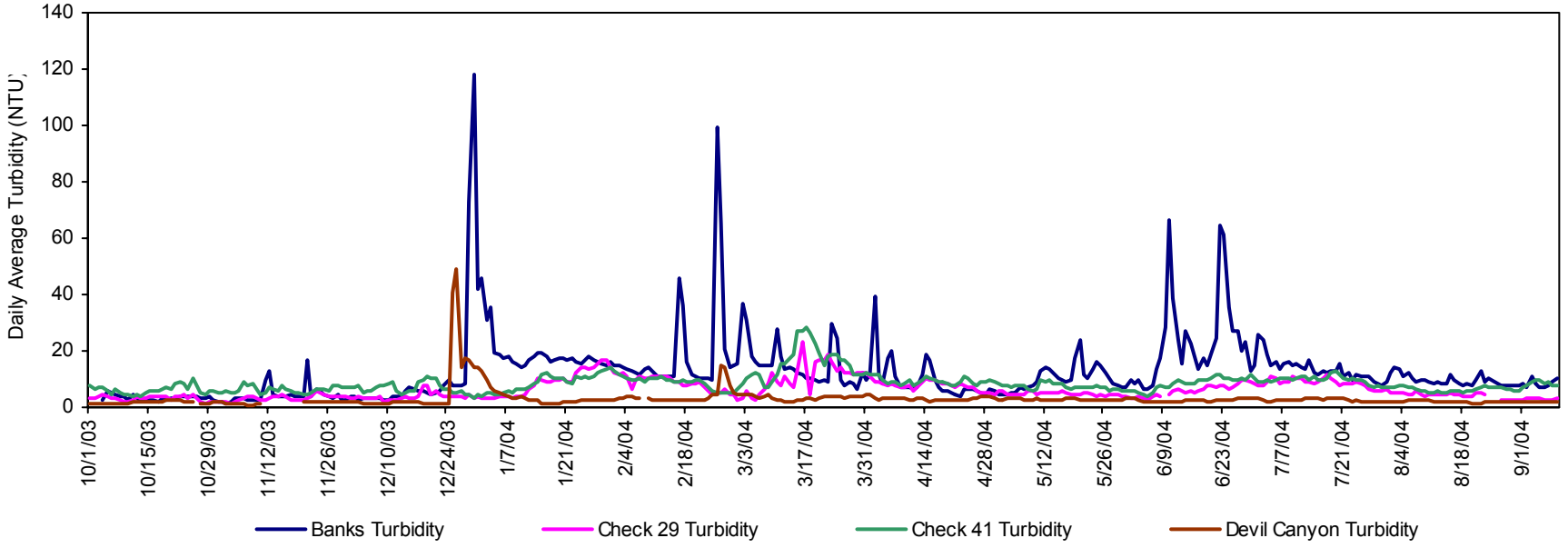
California Aqueduct - Calculated Bromide



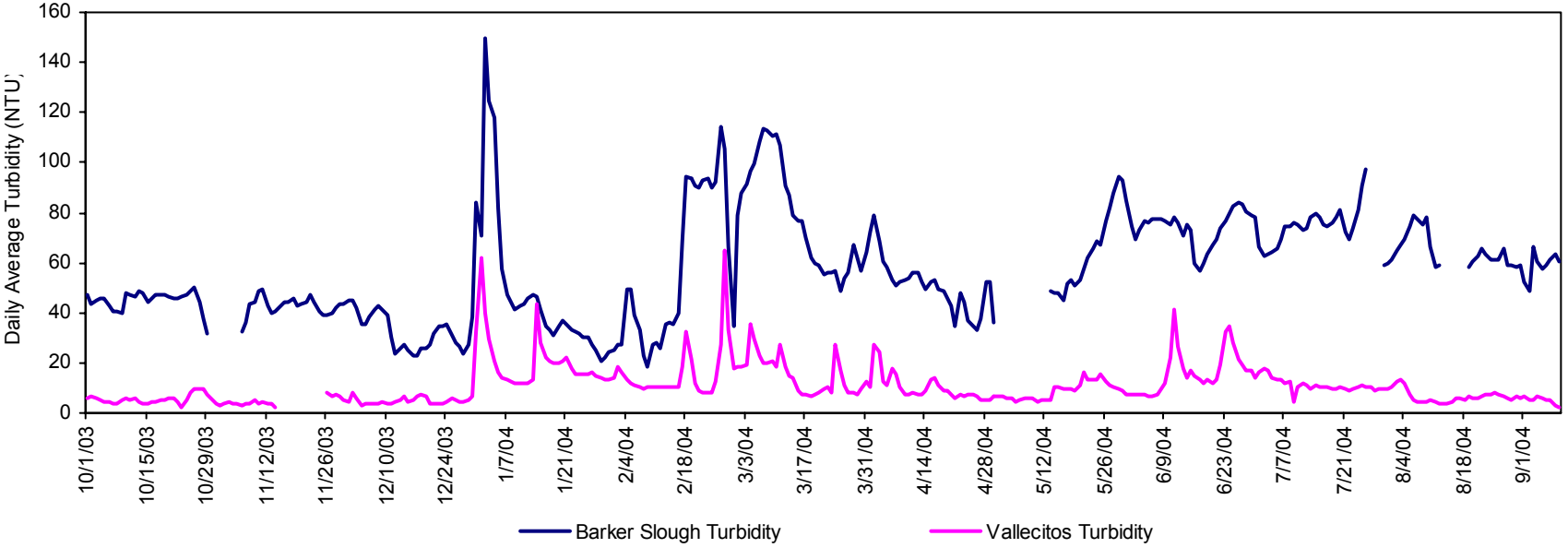
North and South Bay Aqueduct - Calculated Bromide

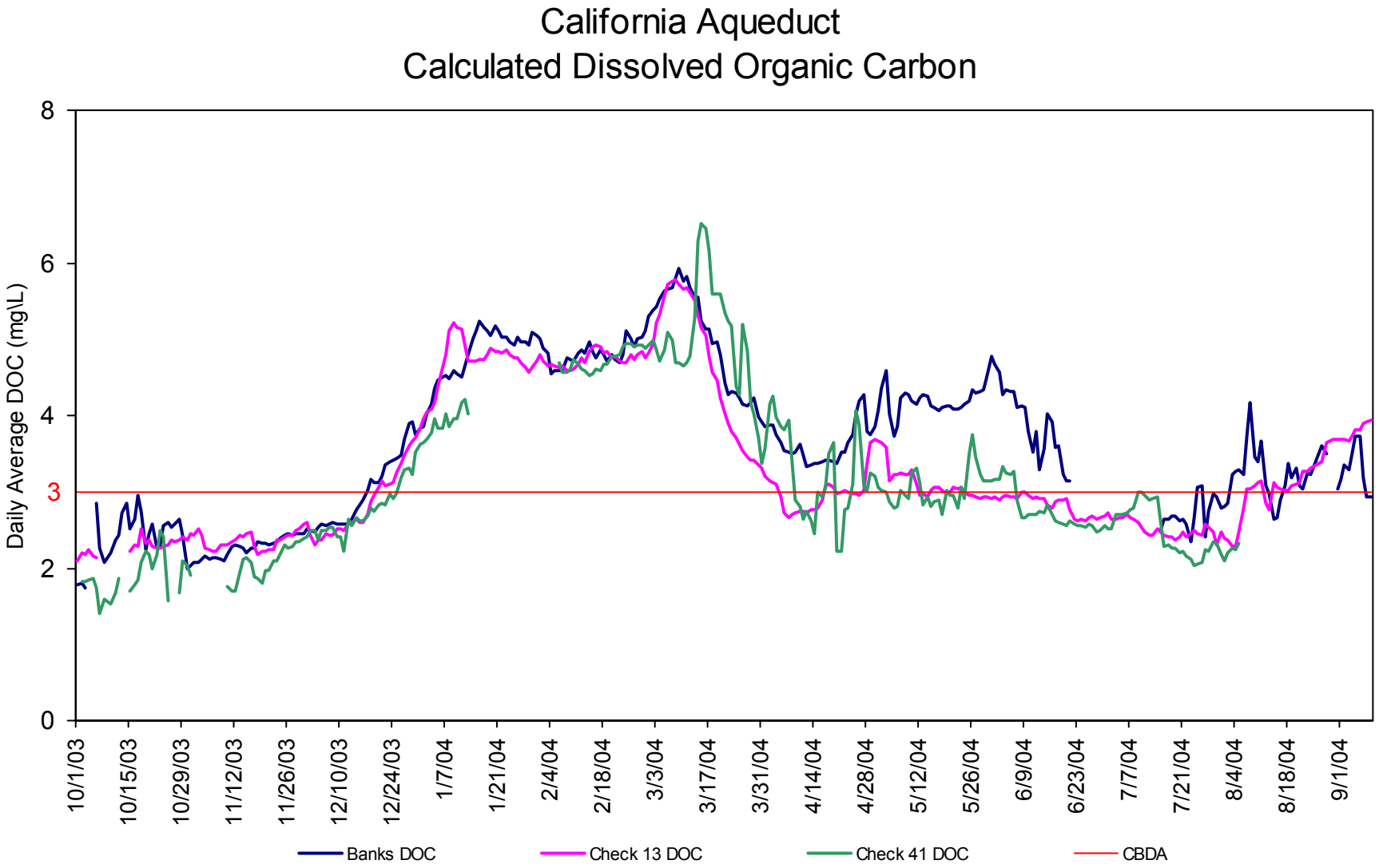


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
8
6
4
3
2
0
10/1/03
10/15/03
10/29/03
11/12/03
11/26/03
12/10/03
12/24/03
1/7/04
1/21/04
2/4/04
2/18/04
3/3/04
3/17/04
3/31/04
4/14/04
4/28/04
5/12/04
5/26/04
6/9/04
6/23/04
7/7/04
7/21/04
8/4/04
8/18/04
9/1/04
Banks DOC
Check 13 DOC
Check 41 DOC
CBDA